U.S. Department of Agriculture
Natural Resources Conservation Service
Louisiana

Pastureland Resource Management System (RMS)

Section III
Technical Guide
Pastureland - 1A

Field Office

Existing Conditions: 100 acres, Alicia bermudagrass, is in continuous use. Plants have low vigor. Area is poorly fertilized. No cool season plants are in production. Pasture is weedy. Streambank erosion is occurring from livestock during watering and grazing. Well is located in northeastern corner of pasture.

Beef Cattle: 77 percent calf crop that has 325 lb. average weaning weights. Parasites are a problem in cattle. High feed bill mainly from buying hay and protein supplement. Neighbor's pond receiving sediment from streambank erosion. Suitable habitat for quail is a concern.

Option 1 - Cow-Calf: A Planned Grazing System consisting of a 16-pasture short duration system is planned. Facilitating practices are planned (see map). Streambank and Shoreline Protection is planned to control streambank erosion and includes fencing pastures 5 and 14, constructing a stream crossing, and managing grazing to stabilize streambanks.

Express the effects of the selected practices as N/A, if not applicable; F = facilitating; 0 = no effect; + = positive effect; and - = negative effect.

Resource		Wate	er	Plant					Animals										
Problems	Erosion	1	Cone	Condition Deposition			ity	Cond	ition	Managemen			Hal	oitat		M	lanag	Quality	
	nd Rill ion	ıbank ion	il action	s Fertilizer esticides	nent age- ite	Surfa Wate Contami	er	nt oility	ctivity	ated Harvest	and Pest gement	Cattle	Quail	Quail	Cattle	Res	llation/ ource lance	nal Ith- tte	e Drift
RMS Options	Sheet and Rill Erosion	Streambank Erosion	Soil Compaction	Excess Fertilizer and Pesticides	Sediment Damage- Offsite	Pesticides	Nutrients	Plant Suitability	Productivity	Estimated Growth Harvest	Nutrient and Pe Management	- poog	Food -	Water -	Water -	Cattle	Quail	Animal Health- Cattle	Airborne Drift
Quality Criteria Met	\checkmark	$\sqrt{}$	√	V	\checkmark	\checkmark	√	\checkmark	√	\checkmark	\checkmark	V	V	V	√	V	√	V	√
Prescribed Grazing	+	+	+	+	+	+	+	N/A	+	+	+	+	0	+	N/A	+	+	+	+
Nutrient Management	+	0	+	+	0	N/A	+	N/A	+	+	+	+	0	+	N/A	+	0	+	+
Pest Management	0	0	0	+	0	+	N/A	+	+	+	+	+	-	-	N/A	+	-	+	+
Fence - Electric	F	+	F	F	+	F	F	F	F	F	F	F	F	F	N/A	F	F	F	N/A
Pipeline	F	F	F	F	F	F	F	F	F	F	F	F	F	F	+	F	F	F	N/A
Watering Facility Pasture and Hay	F	F	F	F	F	F	F	F	F	F	F	F	F	F	+	F	F	F	N/A
Planting - Legumes	+	0	+	+	+	+	+	+	+	+	+	F	+	+	N/A	+	+	+	N/A
Streambank and Shoreline Protection	N/A	+	N/A	N/A	+	+	+	+	0	0	0	-	+	+	-	0	0	+	N/A

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Field Office

Express the effects of the selected practices as N/A, if not applicable; F = facilitating; 0 = no effect; + = positive effect; and - = negative effect.

Resource		Wate	r			Air													
Problems Erosion				dition	Deposition	Quality		Condition		Management		Habitat				M	[anage	ement	Quality
	Sheet and Rill Erosion	Streambank Erosion	Soil Compaction	Excess Fertilizer and Pesticides	Sediment Damage- Offsite	Surfac Water Contamin Sep OO:	•	Plant Suitability	Productivity	Estimated Growth Harvest	Nutrient and Pest Management	Food - Cattle	Food - Quail	Water - Quail	Water - Cattle	Res	ource lance	Animal Health- Cattle	Airborne Drift
RMS Options		,	,	,		<u> </u>		,					,			,	,		
Quality Criteria Met	√	√	٧	٧	√	√	٧	√	1	√	√	1	√	√	√	1	√	√	√
Prescribed Grazing	+	+	+	+	+	+	+	N/A	+	+	+	+	0	+	N/A	+	+	+	+
Nutrient Management	+	0	+	+	0	N/A	+	+	+	+	+	+	0	+	N/A	+	+	+	+
Pest Management	0	0	0	+	0	+	N/A	+	+	+	+	+	-	-	N/A	+	-	+	+
Fence - Electric	F	+	F	F	+	F	F	F	F	F	F	F	F	F	N/A	F	F	F	N/A
Pipeline	F	F	F	F	F	F	F	F	F	F	F	F	F	F	+	F	F	F	N/A
Watering Facility	F	F	F	F	F	F	F	F	F	F	F	F	F	F	+	F	F	F	N/A
Pasture and Hay Planting - Legumes	+	0	+	+	+	+	+	+	+	+	+	+	+	+	N/A	+	+	+	N/A
Streambank and Shoreline Protection	N/A	+	N/A	N/A	+	+	+	+	0	0	0	+	+	+	_	0	0	+	N/A

Option II Cow-Calf: A Planned Grazing System consisting of a 4-pas	ture,
one herd system is planned. Facilitating practices are planned (see mo	<i>up)</i> .
Streambank and Shoreline Protection is planned to control streamban	k
erosion and includes fencing pastures 5 and 6, constructing a stream	
crossing, and managing grazing to stabilize streambanks.	
crossing, and managing grazing to stabilize streambanks.	

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Pastureland Resource Management System (RMS)

Section III Technical Guide Pastureland - 1C

Option III Cow-Calf: Pasture Management consists of continuous grazing with a proper stocking rate. Streambank and Shoreline Protection is planned to control streambank erosion and includes fencing pastures 2 and 3, constructing a stream crossing, and managing grazing to stabilize streambanks.

Express the effects of the selected practices as N/A, if not applicable; F = facilitating; 0 = no effect; + = positive effect; and - = negative effect.

Resource	Soil						Water Plant						Animals									
Problems	Erosio	n	Conc	dition	Deposition	Quali	ity	Cond	lition	Mana	gemen		Hal	oitat		N	Ianag	ement	Quality			
	ınd Rill sion	nbank sion	oil action	Fertilizer esticides	nent age- site	Surfa Wate Contamii	r	nt bility	ctivity	nated Harvest	and Pest gement	Cattle	Quail	Quail	Cattle	Res	ılation/ ource lance	nal Ith- tle	e Drift			
RMS Options	Sheet and F Erosion	Streambank Erosion	Soil Compaction	Excess Fertilizer and Pesticides	Sediment Damage- Offsite	Pesticides	Nutrients	Plant Suitability	Productivity	Estimated Growth Harv	Nutrient and Pe Management	- pood	- pood	Water -	Water -	Cattle	Quail	Animal Health- Cattle	Airborne Driff			
Quality Criteria Met	\checkmark	√	V	V	√	V	√	√	√	√	V	V	V	V	V	V	V	√	√			
Prescribed Grazing	+	+	+	+	+	+	+	+	+	+	+	+1	0	+	N/A	+	+	+2	+			
Nutrient Management	+	+	+	+	+	N/A	+	+	+	+	+	+	0	+	N/A	+	0	+	+			
Pest Management	0	0	0	+	0	+	N/A	+	+	+	+	+	-	-	N/A	+	-	+	+			
Fence - Electric	F	+	F	0	+	F	F	F	F	F	F	F	F	F	N/A	F	F	F	N/A			
Pond		F	F	F	0	+	F	F	F	F	F	F	F	F	F	+	F	F	N/A			
Pipeline	F	F	0	F	F	F	N/A	F	F	F	F	F	F	F	+	F	F	F	N/A			
Watering Facility	F	F	F	0	F	F	F	F	F	F	F	F	F	F	+	F	F	F	N/A			
Streambank and Shoreline Protection	N/A	+	N/A	N/A	+	+	+	+	0	0	0	0	+	+	_	0	0	+	+			

¹ Protein supplement and hay must be fed during winter.

² Because of continuous grazing, producer must depend entirely on a worming program to control the internal parasite problem.